



**DECLARATION OF INVENTORSHIP and  
LIMITED POWER OF ATTORNEY**

As a below named inventor, I believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled "Moving Bed Adsorber/Desorber and Low Flow (High Yield) Desorber Devices and Their Methods of Use," which is described and claimed in Application No. 10/672,926 filed September 26, 2003 for which a patent is sought. My residence, post office address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to herein.

I acknowledge my duty under Title 37, Code of Federal Regulations § 1.56(a) to disclose information which is material to the patentability of the invention I am claiming.

☐ I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: 60/424,895, filed November 8, 2002, now [Parent status].

As a named inventor and until I assign my rights to the invention, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith on my behalf: **Frank J. Uxa**, Reg. No. 25,612; **Donald E. Stout**, Reg. No. 34,493; **Robert D. Buyan**, Reg. No. 32,460; **Kenton R. Mullins**, Reg. No. 36,331; **Jo Anne M. Ybabon**, Reg. No. 42,243; **Linda Allyson Fox**, Reg. No. 38,883; **Greg S. Hollrigel, Ph.D.**, Registered Patent Agent, Reg. No. 45,374 and **Louise S. Heim**, Registered Patent Agent, Reg. No. 32,337, all of the firm **STOUT, UXA, BUYAN & MULLINS, LLP**. Send correspondence and direct telephone calls to: **Robert D. Buyan, Stout, Uxa, Buyan & Mullins, LLP**, 4 Venture, Suite 300, Irvine, CA 92618; telephone (949) 450-1750, facsimile (949) 450-1764, email: [rbuyan@patlawyers.com](mailto:rbuyan@patlawyers.com).

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application and any patent issuing thereon.

XiangFeng Dai (Deceased), of Bakersfield, California, a citizen of U.S.A. Post office address: 7201 Schirra Ct., Suite E, Bakersfield, CA 93313

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
XiangFeng Dai (Deceased)

**STATEMENT OF OWNERSHIP (37 CFR 3.73(b))  
and POWER OF ATTORNEY BY ASSIGNEE**Inventor: XiangFeng (David) Dai (Deceased)Application Serial No: 10/672,926Filing Date: September 26, 2003Entitled: Moving Bed Adsorber/Desorber and Low Flow (High Yield) Desorber  
Devices and Their Methods of UseTW Environmental, Inc., a Delaware and Kentucky Corporation(Name of Assignee), (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)  
is the assignee of the entire right, title and interest in the patent identified above by virtue of:

- ☒ An assignment from the inventor(s)/owner(s) of the patent application as identified above.
- ☐ Copies of assignment(s) or other document(s) in the chain of title are attached.

The authority and rights of the inventor(s) with respect to this patent are hereby excluded in accordance with the provisions of 37 CFR 1.32.

All power(s) of attorney relating to this patent are hereby revoked, and the following attorneys are hereby appointed to receive all correspondence from the United States Patent Office and to transact all business in the Patent and Trademark Office connected therewith: DONALD E. STOUT, Reg. No. 34,493; FRANK J. UXA, Reg. No. 25,612; ROBERT D. BUYAN, Reg. No. 32,460; KENTON R. MULLINS, Reg. No. 36,331; JO ANNE M. YBABEN, Reg. No. 42,243; LINDA ALLYSON FOX, Reg. No. 38,883; GREG S. HOLLRIGEL, Ph.D., Registered Patent Agent, Reg. No. 45,374 and LOUISE S. HEIM, Registered Patent Agent, Reg. No. 32,337, all of STOUT, UXA, BUYAN & MULLINS, LLP, 4 Venture, Suite 300, Irvine, CA 92618.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that there statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application and any patent issuing thereon.

The undersigned is empowered to sign this certificate on behalf of the assignee.

5/21/04  
DateT. Wardue  
SignatureTREVOR WARDUE  
Typed or printed namePRESIDENT  
Title